

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A wireless communication apparatus comprising:
forming means for forming a wireless communication channel to a ~~public network~~ base station;
connection means for connecting a plurality of communication apparatuses to the wireless communication channel; and
setting means for setting up a communication speed of the wireless communication channel according to the communication speed of a the plurality of communication apparatuses,
wherein said setting means maintains the communication speed of the wireless communication channel when a total sum of the speed of the communication which one of the plurality of communication apparatuses starts and the speed of the communication previously performed is equal to or less than the communication speed of the communication channel.
2. (Original) The wireless communication apparatus according to claim 1,
wherein said setting means determines whether a communication speed of the communication channel shall be changed according to the speed of a communication which one of a plurality of communication apparatuses starts and the communication speed of the communication channel.
3. (Canceled)

4. (Original) The wireless communication apparatus according to claim 1, wherein said setting means maintains the communication speed of the communication channel when one of a plurality of communication apparatuses finishes the communication and if the speed of another communication is equal to or more than a predetermined value.

5. (Original) The wireless communication apparatus according to claim 1, wherein said setting means sets up the communication speed of the communication channel according to the communication speed requested by a plurality of communication apparatuses and the communication speed of a control data used on the communication channel.

6. (Original) The wireless communication apparatus according to claim 1, wherein said setting means communicates with a plurality of communication apparatuses according to a communication system different from the communication system used in the communication channel.

7. (Original) The wireless communication apparatus according to claim 1, wherein said connection means performs a wireless communication with said plurality of communication apparatuses.

8. (Currently Amended) A wireless communication method comprising steps of: forming a communication channel to a ~~public network~~ base station; ~~connection connecting~~ a plurality of communication apparatuses to a the communication channel; and

setting up the communication speed of the communication channel according to the communication speed of ~~said~~ the plurality of communication apparatuses,

wherein said setting step maintains the communication speed of the communication channel when a total sum of the speed of the communication which one of the plurality of communication apparatuses starts and the speed of the communication previously performed is equal to or less than the communication speed of the communication channel.

9. (Canceled)

10. (Currently Amended) The wireless communication method according to claim 8, wherein said setting up step maintains the communication speed of the communication channel when one of said plurality of communication apparatuses finishes the communication and if the speed of another communication is equal to or more than a predetermined value.

11. (Currently Amended) A wireless communication program ~~or a storage medium which stores the program~~, the program comprising steps of:

forming a wireless communication channel to a ~~public network~~ base station;
connecting a plurality of communication apparatuses to a the wireless communication channel; and

setting up a communication speed of the wireless communication channel according to the communication speed of a the plurality of communication apparatuses,
wherein said setting step maintains the communication speed of the communication channel when a total sum of the speed of the communication which one of the plurality of

communication apparatuses starts and the speed of the communication previously performed is equal to or less than the communication speed of the communication channel.

12. (Canceled)

13. (Currently Amended) The wireless communication program or the storage medium which stores the program or the program according to claim 11, wherein said setting [[up]] means maintains the communication speed of the communication channel when one of a plurality of communication apparatuses finishes the communication and if the speed of another communication is equal to or more than a predetermined value.

14. (Currently Amended) A wireless communication system comprising a wireless communication apparatus and a wireless public network, wherein said wireless public network comprising:

a base station; and

a location registration database;

wherein said wireless communication apparatus comprising;

forming means for forming a communication channel to said base station;

connection means for connecting a plurality of communication apparatuses to the communication channel; and

setting up means for setting up the communication speed of the communication channel according to the communication speed of a plurality of communication apparatuses;

wherein said location registration database stores the locations of said plurality of communication apparatuses; and

wherein said setting means maintains the communication speed of the communication channel when a total sum of the speed of the communication which one of the plurality of communication apparatuses starts and the speed of the communication previously performed is equal to or less than the communication speed of the communication channel.

15. (Original) The wireless communication system comprising a wireless communication apparatus and a wireless public network according to claim 14, wherein said location registration database stores the location of said wireless communication apparatus.

16. (Original) The wireless communication system comprising a wireless communication apparatus and a wireless public network according to claim 14, wherein said connection means communicates with said plurality of communication apparatuses according to a communication system different from the communication system of the communication which said forming means performs with said base station.

17. (Original) The wireless communication system comprising a wireless communication apparatus and a wireless public network according to claim 14, wherein said wireless public network processes incoming calls to said plurality of communication apparatuses according to said location registration database.

18. (Original) The wireless communication system comprising a wireless communication apparatus and a wireless public network according to claim 14, wherein said wireless public network performs the location registration to the public network corresponding to said plurality of communication apparatuses.

19. (Original) A wireless communication system comprising a wireless communication apparatus and a wireless public network, wherein said wireless public network comprising:

a base station; and
a location registration database;
wherein said wireless communication apparatus comprising;
forming means for forming a communication channel between said base stations; and
connection means for connecting a plurality of communication apparatuses to the
communication channel; and
setting means;
wherein said connection means communicates with said plurality of communication
apparatuses according to a communication system different from the communication system of
the communication which said forming means perform with said base station, and
said location registration database stores said wireless communication apparatus and said
base station corresponding to said plurality of communication apparatuses; and
wherein said setting means maintains the communication speed of the communication
channel when a total sum of the speed of the communication which one of the plurality of

communication apparatuses starts and the speed of the communication previously performed is equal to or less than the communication speed of the communication channel.

20. (Original) The wireless communication system comprising a wireless communication apparatus and a wireless public network according to claim 19, wherein said wireless public network processes incoming calls to said plurality of communication apparatuses according to said location registration data base.

21. (Original) The wireless communication system comprising a wireless communication apparatus and a wireless public network according to claim 19, wherein said wireless public network performs the location registration to the public network corresponding to said plurality of communication apparatuses.

22. (New) A wireless communication apparatus comprising:
forming means for forming a wireless communication channel to a base station;
connection means for connecting a plurality of communication apparatuses to the wireless communication channel; and
setting means for setting a communication speed of the wireless communication channel according to the communication speed of the plurality of communication apparatuses, wherein said setting means maintains the communication speed of the communication channel when one of the plurality of communication apparatuses finishes the communication and if the speed of another communication is more than a predetermined value.

23. (New) A wireless communication apparatus comprising:
forming means for forming a wireless communication channel to a base station;
connection means for connecting a plurality of communication apparatuses to the
wireless communication channel; and
setting means for setting a communication speed of the wireless communication channel
according to the communication speed requested by the plurality of communication apparatuses
and the communication speed of a control data used on the wireless communication channel.

24. (New) A wireless communication method comprising:
forming a communication channel to a base station;
connecting a plurality of communication apparatuses to the communication channel; and
setting the communication speed of the communication channel according to the
communication speed of the plurality of communication apparatuses,
wherein said setting step maintains the communication speed of the communication
channel when one of the plurality of communication apparatuses finishes the communication and
if the speed of another communication is more than a predetermined value.

25. (New) A wireless communication program, the program comprising steps of:
forming a wireless communication channel to a base station;
connecting a plurality of wireless communication apparatuses to the communication
channel; and
setting a communication speed of the wireless communication channel according to the
communication speed of the plurality of communication apparatuses,

wherein said setting step maintains the communication speed of the communication channel when one of the plurality of communication apparatuses finishes the communication and if the speed of another communication is more than a predetermined value.

26. (New) A wireless communication method comprising steps of:
 - forming a wireless communication channel to a base station;
 - connecting a plurality of communication apparatuses to the wireless communication channel; and
 - setting a communication speed of the wireless communication channel according to the communication speed requested by the plurality of communication apparatuses and the communication speed of a control data used on the wireless communication channel.